## **EAST Search History**

## EAST Search History (Prior Art)

| Ref# | Hits  | Search Query  | DBs                                      | Default<br>Operator | Plurals | Time Stamp          |
|------|-------|---|--|---------------------|---------|---------------------|
| S1   | 51932 | (wireless) same ((access adj<br>point) AP (base near2 station)<br>STA) same (STA station ((earth<br>transmit\$3 receiv\$3) near2<br>station))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | OR                  | ON      | 2008/09/25<br>08:09 |
| S2   | 2011  | (key near5 synchroniz\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | OR                  | ON      | 2008/09/25<br>08:09 |
| S3   | 7922  | (generat\$3 produc\$3 creat\$3)<br>with (new near3 (K key))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | OR                  | ON      | 2008/09/25<br>08:09 |
| S4   | 8958  | (re\$1set\$3 set\$3) with<br>((current present "1" first one)<br>near3 (K key)) with ((previous<br>old former "2" two second)<br>near3 (K key)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | OR                  | ON      | 2008/09/25<br>08:09 |
| S5   | 8     | S1 and S2 and S3 and S4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | OR                  | ON      | 2008/09/25<br>08:10 |
| S6   | 5     | (counter timer) near5<br>(increment\$5 increas\$3)) same<br>(decrypt\$3 near5 (fail\$4<br>unsucessful\$3)                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | OR                  | ON      | 2008/09/25<br>08:11 |
| S7   | 20    | ((K key) near5 (zero null "0"))<br>with (unencrypt\$3 "no<br>encryption")   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | OR                  | ON      | 2008/09/25<br>08:12 |
| S8   | 2786  | 380/270,273,274,277.cdls.   | US-PGPUB;<br>USPAT;<br>IBM_TDB           | OR                  | ON      | 2008/09/25<br>08:14 |
| S9   | 986   | 713/153.ccls.   | US-PGPUB;<br>USPAT;<br>IBM_TDB           | OR                  | ON      | 2008/09/25<br>08:14 |
| S10  | 51932 | (wireless) same ((access adj<br>point) AP (base near2 station)<br>STA) same (STA station ((earth<br>transmit\$3 receiv\$3) near2<br>station))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | OR                  | ON      | 2008/09/25<br>08:15 |
| S11  | 397   | S10 and (S8 S9)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | OR                  | ON      | 2008/09/25<br>08:15 |

| S12 | 2011 | (key near5 synchroniz\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | OR | ON | 2008/09/25<br>08:15 |
|-----|------|--|--|----|----|---------------------|
| S13 | 7922 | (generat\$3 produc\$3 creat\$3)<br>with (new near3 (K key))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | OR | ON | 2008/09/25<br>08:15 |
| S14 | 11   | S11 and S12 and S13  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | OR | ON | 2008/09/25<br>08:15 |
| S15 | 26   | S11 and S12  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | OR | ON | 2008/09/25<br>08:16 |
| S16 | 19   | ("20010016907"   "20020078249"   "20020078249"   "20020164029"   "20030048905"   "20040059825"   "20050135811"   "20050201554"   "20050203159"   "20070280176"   "5706348"   "5897169"   "6404549"   "6301886"   "6303127"   "6469992"   "6909702"   "6809729"   "657283") PN. OR ("7400733") JUPRN. | US-PGPUB;<br>USPAT;<br>USCOR;<br>IBM_TDB | OR | ON | 2008/09/25<br>08:17 |
| S17 | 163  | wireless and ((encryption)<br>near5 (k key) near5 (synchroniz<br>\$5))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | OR | ON | 2008/09/25<br>08:18 |
| S18 | 30   | S17 and (S8 S9)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | OR | ON | 2008/09/25<br>08:19 |
| S19 | 110  | ["3934078"   "4549308"   "4555805"   "4649543"   "4731840"   "4754481"   "4803726"   "4827507"   "4860355"   "487640"   "4866370"   "4914696"   "4924480"   "4926665"   "4925049"   "5060266"   "5091942"), PN. OR ("5241598"), URPN.  | US-PGPUB;<br>USPAT; USOCR                | OR | ON | 2008/09/25<br>08:21 |
| S20 | 978  |  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | OR | ON | 2009/02/26<br>10:45 |

| S21 | 90    | S20 and 380/44-47,247,259-<br>261,273-274,277.cds. and<br>@ad<"20030729"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB      | OR | ON | 2009/02/26<br>10:45 |
|-----|-------|--|---|----|----|---------------------|
| S22 | 99103 | (key near6 (chang\$3 updat\$3 synchroniz\$5 rotat\$3))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB      | OR | ON | 2009/06/16<br>13:11 |
| S23 | 1419  | S22 and 380/44-47,247,259-<br>261,273-274,277.cds. and<br>@ad< "20040727"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB      | OR | ON | 2009/06/16<br>13:12 |
| S24 | 64    | S23 and (access adj point)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB      | OR | ON | 2009/06/16<br>13:13 |
| S25 | 69    | S23 and (access adj point<br>WLAN)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB      | OR | ON | 2009/06/16<br>13:14 |
| S26 | 2572  | (key keystream) near6 (chang<br>\$3 updat\$3 synchroniz\$5 rotat<br>\$3) and ((wireless near4<br>(communication network<br>system)) WLAN) and ("380"/\$.<br>ccls. "713"/\$.ccls.)                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB      | OR | ON | 2009/12/02<br>14:17 |
| S27 | 467   | (key keystream) near6 (chang<br>\$3 updat\$3 synchroniz\$5 rotat<br>\$3) and ((wireless near4<br>(communication network<br>system)) WLAN) and (access<br>adj point) and ("380"/\$.cols.<br>"713"/\$.cols.) | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB      | OR | ON | 2009/12/02<br>14:18 |
| S28 | 96    | (key keystream) near6<br>(synchroniz\$5 rotat\$3) and<br>((wireless near4<br>(communication network<br>system)) WLAN) and (access<br>adj point) and ("380"/\$.cds.<br>"713"/\$.cds.)                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB      | OR | ON | 2009/12/02<br>14:18 |
| S29 | 96    | (key keystream) near6<br>(synchroniz\$5 rotat\$3) and<br>((wireless near4<br>(communication network<br>system)) WLAN) and (access<br>adj point) and ("380"/\$.cds.<br>"713"/\$.cds.)                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>IBM_TDB | OR | ON | 2009/12/02<br>14:19 |
| S30 | 131   | (key keystream) near6 (chang \$3 updat\$3 synchroniz\$5 rotat \$3) same ((wireless near4 (communication network system)) WLAN) and (access adj point) and ("380"/\$.cds. "713"/\$.cds.)                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB      | OR | ON | 2009/12/02<br>14:19 |

| S31 | 1    | "20050276417"   | DERWENT   | OR  | ON | 2010/06/15<br>12:44 |
|-----|------|---|---|-----|----|---------------------|
| S32 | 7    | "20020147021" "20030035545" "20030100291" "20050203929" "6031637".pn.   | US-PGPUB;<br>USPAT; USOCR                                 | OR  | ON | 2010/06/15<br>12:48 |
| S33 | 1892 | (key keystream cipher\$3<br>encipher\$3 encrypt\$3 scrambl<br>\$3) near6 (chang\$3 updat\$3<br>synchroni\$6 modif\$7 alter\$3<br>rotat\$3 shift\$3 jump\$3) and<br>(access near2 point) and<br>@ad<"20030729"             | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2010/06/15<br>13:06 |
| S34 | 138  | (key keystream cipher\$3<br>encipher\$3 encrypt\$3 scrambl<br>\$3) near6 (chang\$3 updat\$3<br>synchroni\$6 modif\$7 alter\$3<br>rotat\$3 shift\$3 jump\$3) same<br>(access near2 point) and<br>@ad<"20030729"            | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT;<br>IBM_TDB | MOR | ON | 2010/06/15<br>15:00 |
| S35 | 188  | (key keystream cipher\$3<br>encipher\$3 encrypt\$3 scrambl<br>\$3) near6 (chang\$3 updat\$3<br>synchroni\$6 modif\$7 alter\$3<br>rotat\$3 shift\$3 jump\$3 switch<br>\$3) same (access near2 point)<br>and @ad<"20030729" | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2010/06/15<br>15:37 |
| S36 | 89   | (key) near6 (synchroniz\$5 re<br>\$1synchroniz\$5) same<br>(((wireless local) near4<br>(communication network<br>system)) "WLAN" "LAN") and<br>@ad<"20040727"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB                  | OR  | ON | 2011/02/08 12:39    |
| S37 | 20   | [("5241598"   "6078663"  <br>"6167137"   "6167514"  <br>"6453159"   "6526506"  <br>"6701435").PN. OR<br>("6965674").URPN.   | US-PGPUB;<br>USPAT; USOCR                                 | OR  | ON | 2011/02/08<br>12:52 |
| S38 | 1    | "20050276417"   | US-PGPUB;<br>USPAT; USOCR                                 | OR  | ON | 2011/02/08<br>14:12 |
| S39 | 3    | ("2005/0276417").URPN.  | USPAT   | OR  | ON | 2011/02/08<br>14:47 |
| S40 | 44   | nicola near2 funnell  | US-PGPUB;<br>USPAT; USOCR                                 | OR  | ON | 2011/02/08<br>14:49 |
| S41 | 1    | "20050276417"   | DERWENT   | OR  | ON | 2011/02/08<br>14:56 |
| S42 | 40   | (key) near6 (synchroniz\$5 re<br>\$1synchroniz\$5) and (old<br>previous\$2) near3 key same<br>(current present) near3 key<br>same (new future) near3 key<br>and @ad<"20040727"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB                  | OR  | ON | 2011/02/08<br>15:11 |

| S43 | 1   | "3956615".pn.   | US-PGPUB;<br>USPAT; USOCR                | OR | ON | 2011/02/08<br>15:12 |
|-----|-----|---|--|----|----|---------------------|
| S44 | 16  | ("4074066"   "4805216"  <br>"4926478"   "5029210"  <br>"5247576"   "5319712"  <br>"5455862"   "5455864").FN.<br>OR ("6169802").URPN.  | US-PGPUB;<br>USPAT; USOCR                | OR | ON | 2011/02/08<br>15:28 |
| S45 | 23  | (loss lost loses out) near6<br>(synchroniz\$5 re\$1synchroniz<br>\$5) and (old previous\$2) near3<br>key same (current present)<br>near3 key same (new future)<br>near3 key and<br>@ad<"20040727" | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | OR | ON | 2011/02/08<br>15:52 |
| S46 | 86  | (synchroniz\$5 re\$1synchroniz<br>\$5) and (old previous\$2) near3<br>key same (current present)<br>near3 key same (new future)<br>near3 key and<br>@ad<"20040727"                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | OR | ON | 2011/02/08<br>15:54 |
| S47 | 245 | (old previous\$2) near3 key<br>same (current present) near3<br>key same (new future) near3<br>key and @ad<"20040727"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | OR | ON | 2011/02/08<br>16:02 |
| S48 | 228 | S47 not (S46 and S45 and S42)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>IBM_TDB | OR | ON | 2011/02/08<br>16:03 |

## EAST Search History (Interference)

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## 2/10/2011 9:54:29 AM

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